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Atty. Docket No.: 25436/2382 PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Michael Borns  
Serial No.: 10/805,650  
Filed: March 19, 2004  
Entitled: DNA Polymerase Fusions and Uses  
Thereof

Examiner: Not Yet Assigned  
Group Art Unit: Not Yet Assigned  
Conf. No.:

**CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8a**

I hereby certify that this correspondence (and any paper or fee referred to as being enclosed) is being deposited with the United States Post Office as First Class Mail on the date indicated below in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*Kathleen Williams*  
Name of Person Mailing Paper

*Kathleen Williams*  
Signature of Person Mailing Paper

**Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**

**TRANSMITTAL LETTER**

Enclosed for filing in the above-identified patent application, please find the following documents:

1. Information Disclosure Statement;
2. Form PTO-1449;
3. Copies of Cited References; and
4. Return Post Card.

The Commissioner for Patents is hereby authorized to charge any fees to Deposit Account No. 16-0085, Reference 25436/2382. A duplicate of this transmittal letter is enclosed for this purpose.

Respectfully submitted,

Date: 8/20/04

Name: Kathleen Williams  
Registration No.: 34,380  
Customer No.: 27495  
Palmer & Dodge LLP  
111 Huntington Avenue  
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Tel: 617-239-0100



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Commissioner for Patents  
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**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §§ 1.56, 1.97 AND 1.98**

Dear Sir:

In accordance with the duty of disclosure under 37 CFR § 1.56, Applicant submits this Information Disclosure Statement pursuant to 37 CFR §§ 1.97 and 1.98 in the above-identified application for consideration by the Patent Office.

A listing of the cited documents, as well as, for the Examiner's convenience, copies of all foreign patent documents and non-patent literature are enclosed. This application was filed after June 30, 2003, and copies of U.S. patents and U.S. patent applications are not required and are not enclosed.

Pursuant to CFR § 1.97(b)(3), because this Statement is being submitted before the first Office Action on the merits, no fee is required.

Applicant does not intend to represent that any of the documents submitted herein are material prior art to this invention or that the list represents an exhaustive search of documents related to this invention.

Applicant respectfully requests that the documents submitted herein be considered and made of record in this application.

Date: 8/20/04

Respectfully submitted,

Name: *Kathleen Williams*  
Registration No.: 34,380  
Customer No.: 27495  
Palmer & Dodge LLP  
111 Huntington Avenue  
Boston, MA 02199-7613  
Tel: 617-239-0100



USPTO Form 146 U.S. Department of Commerce Patent and Trademark Office <b>INFORMATION DISCLOSURE STATEMENT</b>				Attorney Docket No. 25436/2382	Serial No. 10/805,650		
				Applicant(s): Michael Borns			
				Filing Date: March 19, 2004		Group:	
<b>U.S. PATENT DOCUMENTS</b>							
Examiner Initial		Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
		US 0119461	08/29/2002	Chatterjee	435	6	
		US 5,466,591	11/14/1995	Abramson et al.	435	194	
		US 5,972,603	10/26/1999	Bedford et al.	435	6	
<b>FOREIGN PATENT DOCUMENTS</b>							
Examiner Initial		Document No.	Publication Date	Country	Class	Subclass	Translation
							YES
		WO 01/92501 A1	05/29/2001	PCT	C12N	09/12	
		WO 01/61015	02/16/2001	PCT	C12N	15/54	
		WO 97/29209	02/04/1997	PCT	C12Q	01/68	
<b>OTHER DOCUMENTS</b> (including Author, Title, Date, Pertinent Pages, etc.)							
1	Barnes, "PCR amplification of up to 35-kb DNA with high fidelity and high yield from $\lambda$ bacteriophage templates," <i>Proc. Nat'l. Acad. Sci. USA</i> 91:2216-2220 (1994)						
2	Bedford et al., "The thioredoxin binding domain of bacteriophage T7 DNA polymerase confers processivity on Escherichia coli DNA polymerase I," <i>Proc. Nat'l Acad. Sci. USA</i> 94:479-484 (1997)						
3	Motz, M., et al., "Elucidation of an Archaeal Replication Protein Network to Generate Enhanced PCR Enzymes," <i>J. Biol. Chem.</i> 277(18):16179-16188 (May 3, 2002)						
4	Pavlov et al., "Helix-hairpin-helix motifs confer salt resistance and processivity on chimeric DNA polymerases," <i>Proc. Natl. Acad. Sci. USA</i> 99:13510-13515 (2002)						
EXAMINER					DATE CONSIDERED		
<small>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.</small>							
<small>**Copies of references not provided at the time of this submission.</small>							